

BOROUGH OF DARWEN



ANNUAL REPORT  
OF THE  
MEDICAL OFFICER OF HEALTH  
INCLUDING THE ANNUAL REPORT OF THE  
SENIOR PUBLIC HEALTH INSPECTOR  
FOR THE YEAR 1965

R. C. WEBSTER

B.Sc., M.D., D.P.H., D.C.H.  
Medical Officer of Health

E. P. McGLYNN

C.S.I.B., M.A.P.H.I.,  
Senior Public Health Inspector



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*With the Compliments*  
*of the*  
*Medical Officer of Health*  
  
*Public Health Dept.*  
*Darwen*



B O R O U G H   O F   D A R W E N

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R E P O R T

on the

HEALTH and SANITARY

ADMINISTRATION

of the BOROUGH

FOR THE YEAR 1965.

By

R. C. WEBSTER, T.D., B.Sc., M.D., D.P.H., D.C.H.

Medical Officer of Health

and

E. P. McGLYNN, C.S.I.B., M.A.P.H.I.

Senior Public Health Inspector.





MEMBERS OF THE PUBLIC HEALTH COMMITTEE

1965- 1966

-----

COUNCILLOR A. PRESTON, J.P., MAYOR

CHAIRMAN :

COUNCILLOR DR. H.W. LEES, M.R.C.S

VICE- CHAIRMAN :

COUNCILLOR MRS. M. ASPDEN

Ald. J. BRAITHWAITE

Coun. J. HAWORTH

Coun. W.F. BIRCH

Coun. C.W. JONES

Coun. D. DAVIDSON

Coun. J. McGLYNN

Coun. J.H. ELLISON

Coun. G.W. SNAPE

Coun. A. ENTWISLE

Coun. R.V.G. WALTERS

JOHN CHADWICK FIELDING, LL. B.,

Town Clerk





# STAFF of the PUBLIC HEALTH DEPARTMENT

=====

## OFFICERS

Medical Officer of Health .....	(	R. C. Webster, T.D., B.Sc.,
Divisional Medical Officer,	(	M.D., D.P.H., D.C.H.
Lancashire County Council.....	(	
Deputy Medical Officer of Health.....	(	Sheila M. Wheeler, L.R.C.P.,
Senior Assistant Divisional	(	L.R.C.S., L.R.F.P. & S.,
Medical Officer,	(	D.R.C.O.G., D.P.H.
Lancashire County Council.....	(	
Senior Public Health Inspector.....	(	Edmund P. McGlynn, C.S.I.B.,
Inspector of Meat and Other Foods.....	(	Cert. Insp. Meat and Other
	(	Foods,
	(	Smoke Insp. (Cert) M.A.P.H.I.,
	(	M.R.S.H.
	(	
	(	H. Ramsbottom, C.S.I.B., Cert.
	(	Insp. Meat and Other Foods,
	(	M.A.P.H.I.
	(	
District Public Health Inspectors.....	(	P.H. Watson, C.S.I.B., Cert.
	(	Insp. Meat and Other Foods,
	(	M.A.P.H.I.
	(	
	(	T. Gregson, C.S.I.B., Cert.
	(	Insp. Meat and Other Foods,
	(	M.A.P.H.I. (commenced 1/11/65)
Public Health Inspector's	(	
Articled Pupil.....	(	B. Taylor
Chief Clerk.....		J. Bolton
Clerical Staff.....	(	Miss. M. Duckworth
	(	Miss. K.A. Hargreaves



CLINICS and TREATMENT CENTRES

NAME OF CLINIC OR CENTRE	SITUATION	DAY AND TIME	BY WHOM PROVIDED
Child Welfare & Diphtheria Immunisation	Civic Health Centre	Monday ..... 2 p.m. Thursday..... 2 p.m.	Lancashire County Council
	St. Chad's Clinic	Tuesday..... 2 p.m. (except last in every month)	
	Spring Vale Clinic	Last Tuesday in every month..... 2 p.m.	
Ante-Natal	Civic Health Centre	Thursday..... 10 a.m. Wednesday..... 2 p.m. 1st and 3rd Fridays..... 9.30 a.m. (Specialist)	Lancashire County Council
Ante-Natal Relaxation	Civic Health Centre	Wednesday..... 2 p.m.	Lancashire County Council
Speech Therapy	Civic Health Centre	Tuesday a.m. and p.m. Friday a.m. (by appointment)	Lancashire County Council
Maternity & Child Welfare Dental and School Dental	Civic Health Centre	Tuesday to Friday 9.a.m. to 12.30 p.m. and 1.30 p.m. to 4.30 p.m.	Lancashire County Council
School Clinics	Civic Health Centre	Minor Ailments Monday to Friday 9.a.m. & 4 p.m. Friday ..... 2 p.m. (by appointment)	Lancashire County Council
Ophthalmic	Civic Health Centre	Monday a.m. (by appointment)	Lancashire County Council

... continued ...





.... continued ....

CLINICS and TREATMENT CENTRES

NAME OF CLINIC OR CENTRE	SITUATION	DAY AND TIME	BY WHOM PROVIDED
Ear, Nose and Throat	Civic Health Centre	Tuesday p.m. (by appointment)	Lancashire County Council
Orthopaedic	Civic Health Centre	Wednesday 10 a.m. (by appointment)	Lancashire County Council
Chiropodist	Civic Health Centre	Monday p.m. Thursday p.m. (by appointment)	Lancashire County Council
Cardiac Clinic for Expectant and Nursing Mothers	Queen's Park Hospital, Blackburn	1st Tuesday in every month (by appointment)	Blackburn & District Hospital Management Committee
Tuberculosis Dispensary	Royal Infirmary, Blackburn	Tuesday 9 a.m. to 12 noon Wednesday 1.30 p.m. to 4.30 p.m. Friday 9 a.m. to 12 noon	Manchester Regional Hospital Board
Venereal Diseases	Royal Infirmary, Blackburn	Males & Females Monday 2 p.m. to 4 p.m. Tuesday 10 a.m. to 12 noon Wednesday 5 p.m. to 7 p.m. Thursday 2 p.m. to 4 p.m.	Manchester Regional Hospital Board
B.C.G. Vaccination Prevention of Tuberculosis	Royal Infirmary, Blackburn	By appointment	Manchester Regional Hospital Board
Poliomyelitis	Civic Health Centre	Monday p.m. Thursday p.m.	Lancashire County Council







Civic Health Centre,  
Darwen.

June, 1966.

TO THE CHAIRMAN and MEMBERS of the HEALTH COMMITTEE  
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Ladies and Gentlemen,

I have pleasure in presenting to you the Annual Report of the Public Health Department for 1965.

The statistics show a good general state of health, and infectious diseases presented no significant problems. Mr. McGlynn's report shows the enormous volume of day-to-day work which is so valuable in maintaining this happy position.

I thank you, Mr. Chairman, and Members of the Committee, for your kindly support throughout the year, and all members of the staff for a year of good work.

I am, Ladies and Gentlemen,

Your Obedient Servant,

R.C. WEBSTER,

Medical Officer of Health.



PART 1.

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Statistics and Social Conditions

General Provisions of the Health Services

Prevalence and Control of Infectious Diseases

BY

R.C. WEBSTER, T.D., B.Sc., M.D., D.P.H., D.C.H.

MEDICAL OFFICER OF HEALTH



# SUMMARY of STATISTICS and SOCIAL CONDITIONS, 1965

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## GENERAL INFORMATION

Geographical Position .....	Lat. 53 <sup>0</sup> 41' 25" N Lon. 2 <sup>0</sup> 28' 32" W
Elevation above sea level.....	500 ft. to over 800 ft.
Geological formation.....	Boulder clay and sand, over coal measures.
Area (in acres).....	5,959
Population - Census, 1961 .....	29,452
Population - Registrar - General's Mid-year Estimate for 1965.....	29,040
Number of Inhabited Houses - Census 1961.....	10,532
Number of Inhabited Houses at end of 1965.....	10,699
Number of Families or Separate Occupiers at Census, 1961.....	10,532
Rateable Value.....	£ 826,662
Sum represented by a Penny Rate.....	£ 3,470

The inhabitants are mainly of the artisan, or working class, and the principal industries are cotton weaving, paper making and staining, plastic and paint manufacturing and engineering trades.

Of a total of 13,006 insured adult persons, the average per cent unemployed was 1.10. The corresponding figures for 1964 were :-

Insured adult persons	12,442
Average per cent unemployed	1.83







# SUMMARY OF VITAL STATISTICS

=====

		<u>MALES</u>	<u>FEMALES</u>	<u>TOTAL</u>	
LIVE BIRTHS	( Legitimate	225	217	442	Birth-rate per
	(				1,000 Estimated
	( Illegitimate	21	11	32	Home Population
	(	-----	-----	-----	mid 1965
	( Total	246	228	474	Crude 16.3
	(	=====	=====	=====	Adjusted 18.1
STILL BIRTHS	( Legitimate	8	5	13	Rate per
	(				1,000 total
	( Illegitimate	1	Nil	1	Births:
	(	-----	-----	-----	
	( Total	9	5	14	28.7
	(	=====	=====	=====	
DEATHS	(				Death-rate per
	(				1,000 estimated
	( ..... 206	206	211	417	home population
	(				mid 1965
	(				Crude 14.4
	(				Adjusted 13.9
MORTALITY RATES PER 1,000 EST. POPULATION	(				
	( Respiratory T.B.....				0.10
	( Malignant Neoplasms, etc.....				2.13
MATERNAL MORTALITY	( Deaths from Pregnancy, Childbirth and Abortion....				Nil
	( Mortality Rate per 1,000 total Births.....				Nil

		<u>MALES</u>	<u>FEMALES</u>	<u>TOTAL</u>
INFANTILE MORTALITY (Infants under the age of one year)	( Legitimate			
	( Infants....	4	1	5
	(			
	( Illegitimate			
	( Infants....	Nil	Nil	Nil
	(	-----	-----	-----
	( Total Deaths	4	1	5
	(	=====	=====	=====

Rate per 1,000 Live Births..... 10.5



# INFANTILE MORTALITY RATES

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YEAR	DARWEN	ENGLAND AND WALES
1956	27	23. 8
1957	26	23. 0
1958	20.1	22. 5
1959	28.4	22. 0
1960	30.6	21. 7
1961	16.0	21. 4
1962	6.2	21. 4
1963	30.7	20. 9
1964	23.7	20. 0
1965	10.5	19. 0

## OTHER INFANT DEATHS

## TOTAL

## RATE PER 1,000 POPULATION

Deaths from Measles (at all ages)....	Nil	0,000
Deaths from Whooping Cough (at all ages).....	Nil	0.000
Deaths from Diarrhoea (under two years).....	Nil	0.000

## NEO-NATAL MORTALITY

Deaths of Infants under 4 weeks of age.....	4
Mortality Rate per 1,000 Live Births.....	8.4

## EARLY NEO-NATAL MORTALITY

Mortality Rate per 1,000 Live Births.....	6.3
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## PERINATAL MORTALITY

Mortality Rate per 1,000 Total Births.....	34.8
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Please Note:-

"Perinatal Mortality" shows the total number of stillbirths and total number of Infant Deaths during the first week of age".





BIRTHS. The number of live births registered during the year was 474, giving a birth-rate adjusted by comparison with the estimated home population of 18.1 per 1,000. The trend of this rate over the past ten years in comparison with the rate for England and Wales is shown in the following table -

YEAR	DARWEN				ENGLAND AND WALES
	NUMBER OF BIRTHS			RATE PER 1,000	RATE PER 1,000
	MALE	FEMALE	TOTAL		
1956	204	201	405	14.7	15.7
1957	224	207	431	15.6	16.1
1958	228	219	447	16.3	16.4
1959	238	220	458	16.8	16.5
1960	235	222	457	16.8	17.1
1961	250	250	500	18.2	17.4
1962	232	253	485	17.7	18.0
1963	255	266	521	19.6	18.2
1964	258	249	507	19.3	18.4
1965	246	228	474	18.1	18.1

ILLEGITIMATE BIRTHS - The following table shows the number of illegitimate births and deaths for the past ten years :-

YEAR	NUMBER OF BIRTHS	RATE PER CENT OF LIVE BIRTHS	NO. OF DEATHS UNDER 1 YEAR	DEATH RATE PER 1,000 ILLEGITIMATE LIVE BIRTHS
1956	21	5.18	2	95
1957	29	6.72	Nil	Nil
1958	26	5.45	Nil	Nil
1959	18	3.93	Nil	Nil
1960	19	4.15	Nil	Nil
1961	28	5.60	Nil	Nil
1962	32	6.59	Nil	Nil
1963	35	6.71	1	28
1964	34	6.70	2	59
1965	32	6.75	Nil	Nil





STILLBIRTHS - The table given below sets out details relating to stillbirths for the past ten years :-

YEAR	NUMBER OF STILLBIRTHS			RATE PER 1,000 BIRTHS	RATE PER 1,000 POPULATION	
	LEGITIMATE	ILLEGITIMATE	TOTAL		DARWEN	ENGLAND & WALES
1956	7	1	8	19	0.26	0.37
1957	12	Nil	12	27	0.40	0.37
1958	10	Nil	10	21.9	0.33	0.36
1959	14	Nil	14	29.7	0.47	0.35
1960	16	Nil	16	33.8	0.54	0.34
1961	10	4	14	27.2	0.47	0.33
1962	5	2	7	14.2	0.23	0.33
1963	10	3	13	24.3	0.44	0.32
1964	7	3	10	19.3	0.34	0.31
1965	13	1	14	28.7	0.48	0.29

DEATHS - The number of deaths of Darwen residents which occurred during the year was 417, representing an adjusted death - rate per 1,000 of the population of 13.9

The trend of the death-rate of the Borough for the past ten years is shown below in comparison with the rate for England and Wales :-

YEAR	DARWEN		ENGLAND & WALES
	TOTAL DEATHS	RATE PER 1,000	RATE PER 1,000
1956	462	15.2	11.7
1957	436	14.4	11.5
1958	507	16.7	11.7
1959	472	15.7	11.6
1960	430	14.3	11.5
1961	480	15.9	12.0
1962	462	15.2	11.9
1963	451	15.3	12.2
1964	377	13.0	11.3
1965	417	13.9	11.5



The following is a copy of the information supplied by the Registrar-General of the causes and sex distribution of deaths of Darwen residents. The information does not include non-civilian deaths :-

CAUSE OF DEATH	MALES	FEMALES	TOTAL
Tuberculosis, Respiratory .....	2	1	3
Tuberculosis, Other.....	-	-	-
Syphilitic Disease.....	-	-	-
Diphtheria.....	-	-	-
Whooping Cough.....	-	-	-
Meningococcal Infection.....	-	-	-
Acute Poliomyelitis.....	-	-	-
Measles.....	-	-	-
Other Infective & Parasitic Diseases.....	-	-	-
Malignant Neoplasm, Stomach.....	2	4	6
Malignant Neoplasm, Lung, Bronchus.....	20	-	20
Malignant Neoplasm, Breast.....	-	4	4
Malignant Neoplasm, Uterus.....	-	1	1
Other Malignant & Lymphatic Neoplasms.....	17	12	29
Leukaemia, Aleukaemia.....	2	-	2
Diabetes.....	-	3	3
Vascular Lesions of Nervous System.....	23	45	68
Coronary Disease, Angina.....	51	43	94
Hypertension with Heart Disease.....	2	8	10
Other Heart Disease.....	10	23	33
Other Circulatory Disease.....	13	11	24
Influenza.....	-	-	-
Pneumonia.....	13	14	27
Bronchitis.....	24	13	37
Other Diseases of Respiratory System.....	2	2	4
Ulcer of Stomach and Duodenum.....	2	-	2
Gastritis, Enteritis and Diarrhoea.....	1	1	2
Nephritis and Nephrosis.....	2	-	2
Hyperplasia of Prostate.....	1	-	1
Pregnancy, Childbirth, Abortion.....	-	-	-
Congenital Malformations.....	1	2	3
Other Defined & Ill-Defined Diseases.....	7	14	21
Motor Vehicle Accidents.....	4	1	5
All Other Accidents.....	4	6	10
Suicide.....	3	3	6
Homicide and Operations of War.....	-	-	-
TOTALS .....	206	211	417





## GENERAL PROVISIONS OF HEALTH SERVICES

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A comprehensive range of services is maintained by the Local Health Authority, Lancashire County Council, including Ante-Natal Clinics, Child Welfare Clinics, Speech Therapy Clinics and other School Health Services - Medical and Dental.

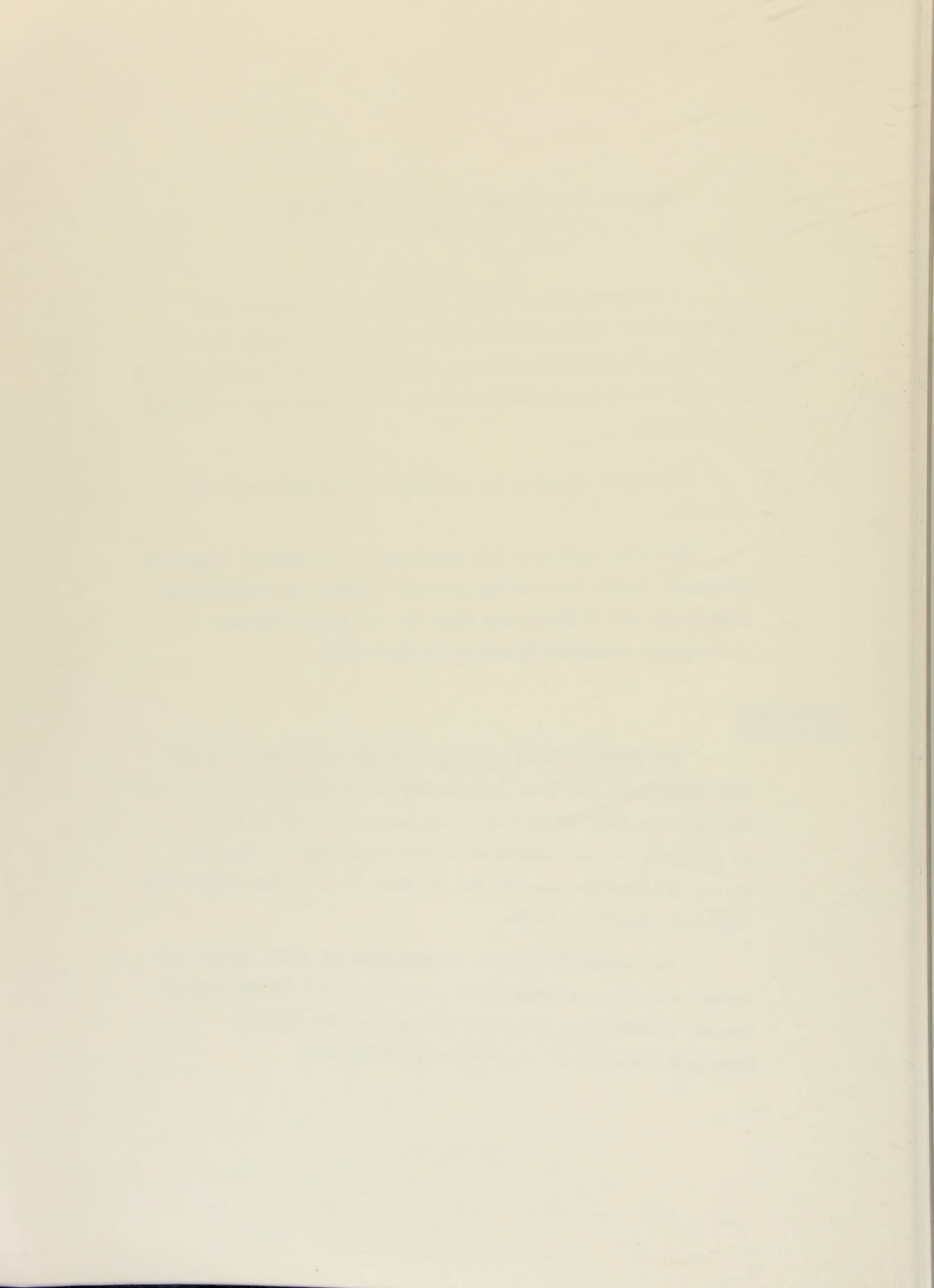
Ambulance service is provided by Lancashire County Council.

Hospital services are provided by Manchester Regional Hospital Board, including general hospital facilities in Blackburn and a Maternity Home in the former Darwen Infectious Diseases Hospital at Bull Hill.

### LABORATORY FACILITIES

The Pathological and Bacteriological Department of the Blackburn and East Lancashire Royal Infirmary undertake the examination of pathological specimens for the Borough of Darwen, in accordance with the Government scheme now being officially carried out in this area by the Manchester Regional Hospital Board.

The bacteriological examination of food, water and other non-personal specimens is carried out by the Public Health Laboratory, Preston, acting for the Medical Research Council of the Ministry of Health.





# PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

The numerical and age incidence of infectious diseases, other than tuberculosis, is shown in the following table, which includes particulars of Darwen cases notified and accepted, cases removed to hospital, and deaths from infectious diseases. The so-called minor infectious diseases, other than measles and whooping cough, are not included in the table, as they are not notifiable in Darwen and, therefore, statistics as to their incidence are not reliable.

DISEASE	TOTAL CASES AT ALL AGES	CASES NOTIFIED AND ACCEPTED									TOTAL DEATHS	HOSPITAL	
		YEARS										CASES REMO- VED	DEATHS IN HOSP- ITAL
		UN- DER 1	1	2	3	4	5	10	15	25 & OVER			
Smallpox.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever....	103	-	4	7	12	17	54	5	2	2	-	-	-
Diphtheria (including Membranous Croup).....	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric or Typhoid Fever (excluding Paratyphoid)....	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever.....	2	-	-	-	-	-	-	-	1	1	-	-	-
Measles (exclud- ing Rubella)	609	43	74	89	95	103	192	5	7	1	-	3	-
Whooping Cough	17	1	3	4	4	-	3	-	2	-	-	-	-
Acute Pneumonia (Primary and Influenzal).....	1	-	-	-	-	-	-	-	-	1	-	-	-
Puerperal Pyrexia.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal Infection.....	-	-	-	-	-	-	-	-	-	-	-	-	-
ACUTE POLIO- MYELITIS :-													
Paralytic.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Paralytic..	-	-	-	-	-	-	-	-	-	-	-	-	-
ACUTE ENCEPH- ALITIS :-													
Infective.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery.....	7	-	1	1	-	-	1	2	1	1	-	2	-
Ophthalmia	-	-	-	-	-	-	-	-	-	-	-	-	-
Neonatorum.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Erysipelas.....	-	-	-	-	-	-	-	-	-	-	-	-	-
MALARIA :-													
Contracted in England & Wales,	-	-	-	-	-	-	-	-	-	-	-	-	-
Abroad.....	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning..	2	-	-	-	-	-	-	-	-	2	-	1	-
TOTALS :-	741	44	82	101	111	120	250	12	13	8	-	6	-



The following table gives the comparative incidence of Infectious Diseases during the past five years :-

DISEASE	1961	1962	1963	1964	1965
Smallpox.....	-	-	-	-	-
Scarlet Fever.....	47	25	10	17	103
Diphtheria (including Membranous Croup).....	-	-	-	-	-
Enteric of Typhoid Fever (excluding Paratyphoid).....	-	-	-	-	-
Paratyphoid Fever.....	-	-	2	1	2
Measles (excluding Rubella).....	180	259	571	104	609
Whooping Cough.....	8	6	5	95	17
Acute Pneumonia (Primary and Influenzal).....	2	-	1	2	1
Puerperal Pyrexia.....	2	4	1	2	-
Meningococcal Infection.....	1	-	-	-	-
ACUTE POLIOMYELITIS :-					
Paralytic.....	1	-	-	-	-
Non-Paralytic.....	-	-	-	-	-
ACUTE ENCEPHALITIS :-					
Infective.....	-	-	-	-	-
Post-Infectious.....	-	-	-	-	-
Dysentery.....	120	133	153	76	7
Ophthalmia Neonatorum.....	-	-	-	1	-
Erysipelas.....	-	1	2	1	-
MALARIA :-					
Contracted in England and Wales.....	-	-	-	-	-
Abroad.....	-	-	-	-	-
Food Poisoning.....	3	-	4	3	2
TOTALS :-	364	428	749	302	741







TUBERCULOSIS Cases of Tuberculosis were admitted to various Sanatoria under the Regional Hospital Board.

The Tuberculosis Scheme is administered by the Lancashire County Council and Regional Hospital Board, but the Area Tuberculosis Officer and Nurse maintain close co-operation with the Public Health Department, furnishing particulars about housing conditions and environment generally. The necessary disinfection is carried out by the Public Health Department.

The following table shows the age group incidence of new cases of tuberculosis notified, and the deaths from the disease, during 1965 :-

AGE PERIODS	NEW CASES				DEATHS			
	RESPIRATORY		NON-RESPIRATORY		RESPIRATORY		NON-RESPIRATORY	
	M	F	M	F	M	F	M	F
Years								
0 - 1 .....	-	-	-	-	-	-	-	-
1 - 2 .....	-	-	-	-	-	-	-	-
2 - 5 .....	-	-	-	-	-	-	-	-
5 -10 .....	-	-	-	-	-	-	-	-
10 -15 .....	-	-	-	-	-	-	-	-
15 -20 .....	-	-	-	-	-	-	-	-
20 -25 .....	-	-	-	-	-	-	-	-
25 -35 .....	-	-	-	1	-	-	-	-
35 -45 .....	1	1	-	-	-	-	-	-
45 -55 .....	-	-	-	-	1	-	-	-
55 -65 .....	2	1	-	1	1	1	-	-
65 -75 .....	-	-	-	-	-	-	-	-
75 & upwards .....	-	-	-	-	-	-	-	-
TOTALS .....	3	2	-	2	2	1	-	-
	5		2		3		-	



The following table shows the number of new cases of Tuberculosis placed on the Register during the last 10 years :-

YEAR	RESPIRATORY		NON-RESPIRATORY		TOTAL
	MALE	FEMALE	MALE	FEMALE	
1956	9	5	2	-	16
1957	9	2	2	-	13
1958	11	3	2	1	17
1959	7	3	2	2	14
1960	4	5	-	-	9
1961	5	2	-	-	7
1962	4	2	-	-	6
1963	11	2	-	-	13
1964	8	1	-	-	9
1965	3	2	-	2	7

NATIONAL  
ASSISTANCE  
ACT, 1948  
& 1951  
Section 47

No action taken under this  
Section





P A R T II.  
=====

ENVIRONMENTAL HYGIENE  
-----

Sanitary Circumstances of the Area  
Housing, and  
Inspection and Supervision of Food.

BY

E. P. McGLYNN, Esq., M.R.S.H., M.A.P.H.I., etc.

Senior Public Health Inspector.



## SANITARY CIRCUMSTANCES OF THE AREA

=====

### WATER

RESERVOIRS - Water is supplied by the Fylde Water Board, on the constant system from the following reservoirs - Sunnyhurst Hey, Earnsdale and Bull Hill, of which the first two are open, and the last enclosed. All the water is from moorland gathering grounds. Water in the Bull Hill Reservoir is supplied from Bolton. Two supplementary water supplies are also available when required from a borehole in the centre of the town and a mineshaft at Eccleshill, piped by a common main to Sunnyhurst Reservoir.

PURIFICATION - All water is sandfiltered and chlorinated.

SUPPLY - The approximate number of dwelling houses supplied direct is 11,634.

### SAMPLING

CHEMICAL - Seven samples of water from public supplies and three samples from private supplies were submitted for analysis during the year. Five samples from public supplies were satisfactorily reported upon. Two samples from public supplies, and three samples from private supplies were unsatisfactorily reported upon.

BACTERIOLOGICAL - Fourteen samples of drinking water from public supplies and seventeen samples of drinking water from private supplies, were submitted for bacteriological examination. Twelve samples from the public supplies and eight samples from private supplies were satisfactorily reported upon.

Two samples from public supplies and nine samples from private supplies were unsatisfactorily reported upon. The transient pollution of the public water supply revealed by these two samples was rapidly cleared up.

Further samples of these private supplies are being taken periodically. Users are meantime advised on precautionary measures, whilst steps are being taken for permanent purification by appropriate methods.





SEWERAGE  
DRAINAGE  
AND CLOSET  
ACCOMMODATION

The table below gives the closet accommodation in the Borough :

Pails.....	89
Water Closets.....	13,826
Waste Water Closets.....	567
Cesspools.....	0
	-----
Total.....	14,482
	=====

Conversions and Installations during 1965 :-

New Water Closets fixed.....	181
Waste Water Closets converted to Water Closets.....	31
Latrine Closets converted to Water Closets.....	0
Pail Closets converted to Water Closets.....	0
Baths installed during the year..	55
Showers installed during the year.	0
Urinals installed during the year.	0
Waste Water Closets dismantled....	0
Water Closets dismantled.....	36

Routine testing, inspection, repair and renewal of existing drains and sewers continued within the limits of availability of staff, material and labour.

It is hoped that closet conversions will gradually result in the total abolition of the 567 waste water closets, and in the belief that it will accelerate the rate of conversion the Council has now trebled the grant for conversion from £5.5.0d to £15.15.0d.

RIVERS  
and  
STREAMS

The river is still somewhat polluted by industrial waste effluents, though rather less than in previous years. In addition there is a certain amount of material dumped in the river by children and careless householders.

The river is frequently inspected and every effort made to prevent pollution wherever the sources are discoverable.



SANITARY INSPECTION OF THE AREA	Number of houses visited .....	662
	Number of houses visited (Housing Consolidated Regulations, 1925 to 1932).....	25
	Number of inspections of schools.....	0
	Number of inspections of factories and workplaces.....	228
	Number of inspections of Municipal Hostel.....	52
	Number of inspections of bakehouses.....	116
	Number of inspections of dairies and cowsheds.....	0
	Number of inspections of refuse tips.....	0
	Complaints received and investigated.....	390
	Number of re-inspections made.....	4,389
	Visits paid to houses (re cases of Infectious Diseases).....	110
	Number of rooms disinfected.....	0
	Number of smoke observations taken.....	6
	Number of inspections -- Smoke Control Areas...	394
	Number of drains etc. tested.....	251
	Total number of defects discovered.....	292
	Informal Notices served.....	292
	Statutory Notices served.....	91
	Number of nuisances abated, including outstanding nuisances from previous year.....	389

LIST OF NUISANCES DISCOVERED	Defective drains.....	130
	Choked and defective sewers.....	41
	Defective soil pipes and water closets.....	2
	Defective downspouts, easing troughs, roofs and external walls.....	40
	Defective plastering.....	0
	Defective roofs and damp walls.....	7
	Dirty houses and premises.....	0
	Dangerous buildings.....	0
	Dirty and dilapidated closet buildings.....	1
	Accumulation of refuse.....	0
	Defective or uneven gullies.....	1
	Insanitary sinks.....	3
	Defective fire-ranges.....	0
	Broken slop-pipes.....	0
	Defective flush cisterns.....	0
	Choked waste water closets.....	18
	Choked water closets.....	27
	Insanitary yards.....	0
	Defective internal floors.....	2
	Insufficient ventilation.....	7
	Burst water pipes.....	3
	Defective wash boilers.....	0
	* Miscellaneous nuisances.....	8

\* The miscellaneous nuisances include such items as defective pointing, defective woodwork of doors, defective pointing and putty around windows, etc.







SHOPS : FOOD

1,830 routine and special inspections were made of meat, fish and other food shops and market stalls under the Food Hygiene Regulations. Advice was given as necessary, and various works of improvement initiated. These consisted principally of the installation of requisite washing facilities, and of counter and shelf fittings designed to prevent contamination of food.

INSPECTIONS  
UNDER OFFICES,  
SHOPS AND  
RAILWAY PREMISES  
ACT, 1963.

Inspections commenced in November, 1965, under the provisions of the Act. When completed and the recommendations under the Act are finally implemented a great improvement in the working conditions of employees in offices and shops should result.

CLEAN AIR  
AND SMOKE  
ABATEMENT

Six smoke observations were taken during the year, and advice and instructions to stokers on firing and use of fuel, to secure as far as possible the prevention of black or heavy smoking, were given. There is a noticeable reduction of smoke taking place from factory chimneys, and factory owners now seem to be fully alerted to the necessity of preventing smoke emission. For this reason and to this end they are co-operating fully with the Department in replacing defective apparatus, or installing more modern plant and methods of fuel burning, as advised.

Three applications for prior approval to new installations were made during the year, two were granted and one refused.

REFINED IRON COMPANY

The above Company ceased to refine iron in May, 1965, and the factory plant has since been progressively dismantled. At the end of the year some parts of the plant, including the chimney, still remained.

SMOKE  
CONTROL  
AREAS

The town's first Smoke Control Area came into operation on the 1st October, 1963.

DISINFEST-  
ATION

During the year fifty-four houses were found to be infested with vermin, chiefly cockroaches. All of these had been disinfested by the end of the year, gaseous fumigation and spraying being the methods employed.



OFFENSIVE  
TRADES

The following are established in the district :-  
Two tripe boilers, one fat extractor and one fat melter.

MUNICIPAL  
HOSTEL

This is the only common lodging house in the town and is municipally owned and managed. The average daily number of lodgers for the year was :-

Males .....	126.22
Females.....	13.81

FACTORIES

Two hundred and twenty-eight routine and special visits were paid to factories with and without mechanical power during the year for purposes of the provisions as to health. Defects found (chiefly in connection with sanitary conveniences) were notified to occupiers and by the end of the year, were either completed or in hand. Routine visiting of factories has been stepped up considerably since the last Report.

As previously, the fullest co-operation was maintained between the Department and H.M. Inspector of Factories.

Despite many representations by the Department the Management of one factory would not provide suitable sanitary accommodation at its premises, and proceedings were instituted resulting in the firm being fined £30 and costs.

CHIEF  
SANITARY  
REQUIREMENTS  
OF THE  
DISTRICT

The chief sanitary requirements of the district are:-

The conversion of pail and waste water closets;

The paving, culverting, embanking and, as far as possible, purification of the river;

The clearance of derelict and neglected sites:

The paving of the back streets and unmade roads:

The reduction of the number of private water supplies and the purification and protection of the remainder.







# H O U S I N G

=====

The table below gives particulars of action taken specifically under the provisions of the Housing Acts in contradistinction to action under the Public Health Acts.

## STATISTICS

Number of new houses and flats erected during the year :-

(a)	Total (including numbers given separately under (b) .....	115
	(i) By Local Authority.....	53
	(ii) By other Local Authorities.....	0
	(iii) By other bodies or persons.....	62
(b)	With State assistance under the Housing Acts :-	
	(i) By the Local Authority (included under (a) (i) above).....	53
	(ii) By other bodies (included under (a)(iii) above) .....	0

## I

Inspection of dwelling-houses during the year :-

(1)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts).....	29
(2)	Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under Housing Consolidated Regulations, 1925-1932.....	25
(3)	Number of inspections made for both purposes.....	299
(4)	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.....	21

... continued over...



STATISTICS  
(continued)

I	(5)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.....	1
II		Remedy of defects during the year without service of formal notices :-  Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers.....	2
III		Action under statutory powers during the year :-	
	(1)	Proceedings under Sections 9,10 and 12 of the Housing Act, 1957.	
	(a)	Number of dwelling-houses in respect of which notices were served requiring repairs :-	
		Preliminary.....	8
		Statutory.....	8
	(b)	Number of dwelling-houses which were rendered fit after services of formal notices :-	
	(i)	By owners.....	0
	(ii)	By Local Authority in default of owners.....	2
	(2)	Proceedings under Sections 16 and 17 of the Housing Act, 1957.	
	(a)	(i) Number of dwelling houses in respect of which Demolition Orders were made.	20
		(ii) Number of dwelling-houses in ownership of Local Authority dealt with in Accordance with Section 3(3a) of the Housing Subsidies Act, 1956, as directed in Appendix II of Circular 33/56 with a view to demolition.....	0

... continued over ...





STATISTICS  
(continued)

III	(2)	(b)	Number of dwelling-houses demolished in pursuance of Demolition Orders.....	63
		(c)	Number of houses demolished where action has been taken under Section 53 of the Over Darwen Improvement Act, 1879.....	4
		(d)	Number of dwelling-houses closed as a result of Closing Orders made under Sections 16 and 17 of the Housing Act, 1957.....	16
		(3)	Proceedings under Section 18 of the Housing Act, 1957.	
	(a)		Number of separate tenements or under- ground rooms in respect of which Closing Orders were made.....	0
			Number of separate tenements or under- ground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.....	0
	(4)		Houses closed informally by owners.....	0
	(5)		Proceedings under Sections 42 and 43 of the Housing Act, 1957.	
			Number of dwelling-houses demolished as a result of Clearance or Compulsory Purchase Orders.....	58
	IV		Housing Act, 1957, Part IV - Overcrowding -	
	(1)	(a)	Number of dwellings overcrowded at the end of the year.....	0
		(b)	Number of families dwelling therein.....	0
		(c)	Number of persons dwelling therein.....	0
	(2)		Number of new cases of overcrowding reported during the year.....	0

... continued over...



STATISTICS  
(continued)

IV	(3)	(a)	Number of cases of overcrowding relieved during the year.....	0
		(b)	Number of persons concerned in such cases.....	0
V			Housing Acts, 1949 - 1958	
	(1)	(a)	Number of schemes submitted and approved -	
		(i)	By private individuals to Local Authority.....	3
		(ii)	By Local Authority.....	0
		(b)	Number of dwelling-houses affected.....	3
	(2)	(a)	Number of schemes approved -	
		(i)	Of private individuals.....	0
		(ii)	Of the Local Authority.....	0
		(b)	Number of dwelling-houses affected.....	3
		(c)	Number of additional separate dwellings provided.....	0

OVERCROWDING

"Overcrowding" as to mixed sexes in families, not involving legal overcrowding has been fairly common in two-bedroomed houses, but is gradually being reduced.





GENERAL  
OBSERVATIONS

The chief difficulty in housing work is the inability to secure extensive repairs by informal action, with the result that statutory procedure has to be invoked, with all the additional work and time involved.

A further seventy-four houses of varying types and sizes have been acquired by the Corporation at the instance, of and by agreement with, the owners, making a total of 378 houses so far taken over, of which 79 were in Housing Clearance or Redevelopment Schemes. Those not in such Schemes have been, or are to be, repaired. Some of the others have been patch-repaired for temporary occupancy pending final clearance.

Inspection, survey and repair proceeded steadily throughout the year.



## INSPECTION AND SUPERVISION OF FOOD

=====

### SAMPLING

#### MILK

BIOLOGICAL. 60 samples were submitted for guinea pig inoculation. 54 were reported as negative and 6 guinea pigs died of an intercurrent infection too early for diagnosis of tuberculosis. In the latter cases repeat samples were taken.

BACTERIOLOGICAL. 67 samples were examined during the year. 63 were satisfactorily reported upon, 4 were unsatisfactorily reported upon. The reports were passed on for appropriate action to the Divisional Milk Officer.

CHEMICAL ANALYSIS OF MILK -- See tables

I and II below.

#### MEAT AND OTHER FOODS

The Public Abattoir was closed in June, 1941, in pursuance of a Ministry of Food Scheme for further centralising slaughtering.

Butcher's and other food shops, stalls and vehicles, and premises used for the preparation of human food are regularly inspected.

The amount of food examined, certified unfit, and either destroyed or utilised, after sterilisation, for animal feeding-stuffs, was as shown in Table III on page 35.

It was necessary to institute proceedings against four firms producing food in other districts but retailing in Darwen, under Section 2 of the Food and Drugs Act, 1955. Three of the firms were convicted and fined sums of from £5 to £30 with costs, and one case was dismissed.

#### FOOD AND DRUGS

The Local Authority, by direction of the Minister, is the Food and Drugs Authority for the Borough.

Close co-operation is maintained with the Public Analyst, whose advice and help are always available and much valued.

The quality of the food sold in the district is generally good, and on the whole premises are generally satisfactory and the conduct of staffs exemplary although it was necessary to institute proceedings in one case where a Butcher who persistently smoked was prosecuted, and fined £50 and costs.

CHEMICAL ANALYSIS OF OTHER FOODS --

See Table I.





TABLE I - SAMPLES REPORTED GENUINE

=====

NO. OF SAMPLES	DESCRIPTION	FORMAL	INFORMAL
34	Milk.....	34	-
1	Black Puddings.....	-	1
1	Polony.....	-	1
1	Tomato Sausage.....	-	1
1	Yorkshire Ducks.....	-	1
1	Brawn.....	-	1
1	Liquid Paraffin.....	-	1
2	Minced Beef with Onion and Gravy.....	-	2
1	Cooking Fat.....	-	1
1	Aspirins.....	-	1
1	Pure Glycerine.....	-	1
1	Beef Sausage.....	-	1
1	Pure Lard.....	-	1
2	Pork Sausage.....	-	2
1	Buttered Brazils.....	-	1
1	Soy Sauce.....	-	1
1	Pepper Sauce.....	-	1
1	Buttercup Syrup.....	-	1
1	Salanino Felino.....	-	1
1	Beef Ring (Salami Sausage).....	-	1
1	Currants.....	-	1
1	Raisins.....	-	1
1	Health (Spring) Drink.....	-	1
2	Rum.....	2	-
4	Whisky.....	4	-
3	Gin.....	3	-
3	Vodka.....	3	-
3	Brandy.....	3	-
1	Port Wine.....	1	-
1	Sauterne Wine.....	1	-
1	Cherry Heering.....	1	-
1	Burgundy.....	1	-
1	Wine Graves.....	1	-
1	Creme-de-Cacao.....	1	-
1	Peach Brandy.....	1	-



TABLE II - SAMPLES REPORTED NOT GENUINE

=====

CONS. NO.	NO. OF SAMPLES	DESCRIP- TION	FORMAL	INFOR- MAL	RESULT	ACTION TAKEN
1	1	Bread		x	Contained 63 milligrams of foreign matter which consisted of white cotton fibres with a small number of man made fibres of the appearance of viscose rayon and including 30 milligrams of edible fat. The foreign matter had originally been attached to the crust at the bottom corner of the slice. No mineral oil, zinc or boric acid detected.	Complain- aint and Bakery informed.
2	1	Indian Brandee		x	Contained only 1.0% spirit of nitrous ether compared with 12.5% declared on label	No action advised.





TABLE II - SAMPLES REPORTED NOT GENUINE

=====

CONS. NO.	NO. OF SAMPLES	DESCRIP- TION	FORMAL	INFOR- MAL	RESULT	ACTION TAKEN
3	1	Aspirin		x	Free salicylic acid one and a half times the B.P. maximum limit	Stocks withdrawn.
4	1	Cream		x	Milk fat 54.1% Part of the interior surface of the bottle bore a film of fungus hyphae and spores, a little green algae and finely divided atmospheric dust weighing in all not more than 1.7 milligrams. If the whole of the contamination had been loose in the cream it would have corresponded to 0.6 parts by weight per 100,000 parts by volume of the cream. The cream consisted of double or thick cream.	Dairyman cautioned



TABLE II - SAMPLES REPORTED NOT GENUINE

=====

CONS. NO.	NO. OF SAMPLES	DESCRIP- TION	FORMAL	INFOR- MAL	RESULT	ACTION TAKEN
5	1	Beef Sausage		x	Meat content 60.5%. Cont- ained 60 parts per million of sulphite preservative (expressed as sulphur diox- ide) without declaration.	Vendor cautioned re pres- ervative.
6	1	Milk	x		Fat 2.95%. Deficient 1.6% fat.	Producer notified.
7	1	Cut Mixed Peel		x	Soluble solids by refractometer 63.2%. Should not be less than 64.0%	No action advised.
8	1	Pork Sausage		x	Meat content only 57.5%. Poor in meat content.	Vendor notified.





TABLE III - SHOWING AMOUNT AND NATURE OF FOOD  
CONDEMNED DURING 1965.

=====

AMOUNT	NATURE OF FOOD	AMOUNT	NATURE OF FOOD
258 tins	Assorted Fruit	69 tins	Assorted Vegetables
14 tins	Ham	11 tins	Corned Beef
4 tins	Stewed Steak	7 tins	Tongue
1 tin	Spam	7 tins	Luncheon Meat
1 tin	Mutton	1 tin	Roast Beef
3 tins	Pork Shoulder	71 tins	Assorted Soups
7 tins	Milk	10 tins	Rice Pudding
1 tin	Sago Pudding	9 tins	Baked Beans
30 tins	Tomatoes	1 tin	Pilchards
5 tins	Cream	13 tins	Salmon
6 tins	Chicken with Gravy	1 tin	Prawns
4 tins	Lamb Pie	1 tin	Brisling
1 tin	Shrimps	1 tin	Tomato Juice
5 tins	Steak Puddings	3 tins	Orange Juice
1 tin	Apricot Jam	2 tins	Sultana Sponge Pudding
2 tins	Fruit Sponge Pudding	62 pkts	Garden Peas
25 pkts	Broad Beans	10 pkts	Green Beans
12 pkts	Brussel Sprouts	19 pkts	Mixed Vegetables
9 pkts	Sliced Beans	1 pkt	Potato Chips
44 pkts	Strawberries	3 boxes	Peaches
90 lbs	Grapes	7 lbs	Quarter Steak
144 lbs	Topside Boneless	157 lbs	Leg Pork
104½ lbs	Pork Loin	45 lbs	Turkey
12 lbs	Stuffed Bellies	56 lbs	Pork Bones
16 lbs	Shin Beef	14 lbs	Loin
14 lbs	Rib Beef	21 lbs	Shoulder of Lamb
14 lbs	Lamb's Liver	40 lbs	Plate
114 lbs	Lamb's Short Fores	38 lbs	New Potatoes



# RATS AND MICE DESTRUCTION

=====

Investigation and disinfection proceeded steadily throughout the year, and it has become increasingly obvious that the initial survey and co-ordinated treatments, and especially the comprehensive and radical treatment of the sewers, have reduced to a low level the degree of infestation in the town. This has been maintained now for nineteen years, and it is expected that regular re-survey, sewer maintenance treatment and block control, will keep it there or still further reduce it.

The following table gives a summary of the work done throughout the year :-

NO. OF PREMISES INSPECTED	NO. OF PREMISES FOUND INFESTED	NO. OF TREATMENTS CARRIED OUT		ESTIM- ATED KILL OF RATS	CUM. TOTAL OF RATS KILLED SINCE INCEPTION OF SERVICE
		FULL	TEST		
393 (including 25 hen pens)	107	107	217	116	34,100

SEWER TREATMENTS	DATE	NUMBER OF MANHOLES TREATED	ESTIMATED KILL
	April	194	Nil
	October	186	Nil





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